APPENDIX C SAMPLING GUIDE SCHEDULE

TABLE 1				
		ANCE SAMPLING	GUIDE FOR	RSOILS
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
203	BO Borrow within 1 m (3 ft.) of finished subgrade elevation	Gradation* PI*	In-Place	One per 450 m (1500 ft).
203	EM Embankment	Proctor Density* Optimum Moisture*	In-Place	One per soil type.
		Compaction*	In-Place	One per 450 m (1500 ft) per lift.
	Embankment for Metal Pile Location only	pH Resistivity	In-Place or Source	One per source.
203	NG Natural Ground for Embankment <1.5 m (5 ft.)	Proctor Density* Optimum Moisture*	In-Place	One per soil type.
		Compaction*	In-Place	One per 450 m (1500 ft).

^{*} Independent Assurance Sampling and Testing required.

	TABLE 1 (continued) ACCEPTANCE SAMPLING GUIDE FOR SOILS				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
203	SG Subgrade	Proctor Density* Optimum Moisture*	Roadway	One per soil type.	
		Compaction*	Roadway	One per 450 m (1500 ft).	
		Gradation*	Roadway	One per 450 m (1500 ft). or change in material.	
203	Soil for Shoulder Build-up	Gradation PI pH Soluble Salts	In-Place or Source	One per soil type.	
		Compaction *	In-Place	One per 450 m (1500 ft) or as directed by the Engineer.	
501	TB Trench Backfill	Proctor Density* Optimum Moisture*	In-Place	One per soil type.	
		Compaction*	In-Place	One per 450 m (1500 ft) per lift, minimum one per lift per structure or pipe.	

^{*} Independent Assurance Sampling and Testing required.

	TABLE 1 (continued) ACCEPTANCE SAMPLING GUIDE FOR SOILS				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT		
803	GM Granite Mulch or Decomposed Granite	Gradation*	In-Place or Source	One per 7500 m³ (10,000 CY).	
804	TS Top Soil	Gradation* PI* pH* Soluble Salts Calcium Carbonate Exchange-able Sodium in percent and parts per million	In-place	Written soil analysis per source and six samples per lot [a lot is considered approximately 15 000 m³ (20,000 CY) per source].	

^{*} Independent Assurance Sampling and Testing required.

TABLE 2 ACCEPTANCE SAMPLING GUIDE FOR AGGREGATES				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
203 501 (When Contractor	SB or PB Structure Backfill or Pipe Backfill	Proctor Density* Optimum Moisture*	Stockpile	One per source.
Quality Control is not specified.)		Compaction*	In-Place	One every 150 m³ (200 CY), minimum one per lift.
		Resistivity pH	Source or Stockpile	One per source.
		Gradation*	On Job Site	One per 400 m³ (500 CY) per source.
203 501 (When Contractor Quality	SB or PB Structure Backfill or Pipe Backfill	Proctor Density* Optimum Moisture*	Stockpile	One per source.
Control <u>is</u> specified.)		Compaction*	In-Place	One every <u>400</u> m³ (<u>500</u> CY), minimum one per lift.
		Resistivity pH	Source or Stockpile	One per source.
		Gradation*	On Job Site	One per <u>1150</u> m³ (<u>1500</u> CY) per source.

^{*} Independent Assurance Sampling and Testing required.

TABLE 2 (continued)				
	ACCEPTANC	E SAMPLING GU	•	GREGATES
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
303	AB Aggregate	Abrasion #	Source	One per source.
(When Contractor Quality	Base 1,2,3	Proctor Density*	Crusher Belt or Stockpile	At start of production, then as material changes.
Control is not specified.)		Optimum Moisture*		
		Compaction*	Roadway	One per lift per 300 m (1000 ft).
		Fractured Coarse Aggregate Particles*	Stockpile	One per 9000 metric tons (10,000 T).
		Gradation*	Windrow	One per 1800 metric tons (2000 T), minimum one per shift.
	<u> </u>	<u> </u>		<u> </u>

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

	TABLE 2 (continued) ACCEPTANCE SAMPLING GUIDE FOR AGGREGATES				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
303	AB Aggregate	Abrasion #	Source	One per source.	
(When Contractor Quality	Base 1,2,3	Proctor Density*	Crusher Belt or Stockpile	At start of production, then as material changes.	
Control <u>is</u> specified.)		Optimum Moisture*	·		
		Compaction*	Roadway	One per lift per <u>450</u> m (<u>1500</u> ft).	
		Fractured Coarse Aggregate Particles*	Stockpile	One per 9000 metric tons (10,000 T).	
		Gradation*	Windrow	One per 1800 metric tons (2000 T), minimum one per shift.	

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

	TABLE 2 (continued) ACCEPTANCE SAMPLING GUIDE FOR AGGREGATES				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
303 (When Contractor Quality Control	AS Aggregate Subbase 4,5,6	Proctor Density* Optimum Moisture*	Crusher Belt or Stockpile	At start of production, then as material changes.	
is not specified.)		Compaction*	Roadway	One per lift per 300 m (1000 ft).	
	4	Fractured Coarse Aggregate Particles*	Stockpile	One per 9000 metric tons (10,000 T).	
		Gradation*	Windrow	One per 1800 metric tons (2000 T), minimum one per shift.	
		Abrasion #	Source	One per source.	
	5,6	Gradation*	Windrow	One per 1800 metric ton (2000 T), minimum one per shift.	

[#] Provided Materials Group concurs, historical abrasion values may be used.

^{*} Independent Assurance Sampling and Testing required.

	TABLE 2 (continued) ACCEPTANCE SAMPLING GUIDE FOR AGGREGATES				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
303 (When	AS Aggregate Subbase	Proctor Density*	Crusher Belt or Stockpile	At start of production, then as material changes.	
Contractor Quality Control <u>is</u>	4,5,6	Optimum Moisture*			
specified.)		Compaction*	Roadway	One per lift per <u>450</u> m (<u>1500</u> ft).	
	4	Fractured Coarse Aggregate Particles*	Stockpile	One per 9000 metric tons (10,000 T).	
		Gradation*	Windrow	One per 1800 metric tons (2000 T), minimum one	
		Abrasion #	Source	per shift. One per source.	
	5,6	Gradation*	Windrow	One per 1800 metric ton (2000 T), minimum one per shift.	

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

	TABLE 2 (continued) ACCEPTANCE SAMPLING GUIDE FOR AGGREGATES				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
303 304 305	AG Aggregate for CB (Cement	Gradation*	Stockpile	One per 1800 metric tons (2000 T), minimum one per shift.	
	Treated Base) or LC (Lean Concrete Base)	Fractured Coarse Aggregate Particles*	Stockpile	One per 9000 metric tons (10,000 T).	
	,	Abrasion #	Source	One per source.	
	for CB	PI*	Stockpile	One per 1800 metric tons (2000 T), minimum one per shift.	
	for LC	Sand Equivalent*	Stockpile	One every other day of LC production.	

[#] Provided Materials Group concurs, historical abrasion values may be used.

^{*} Independent Assurance Sampling and Testing required.

	TABLE 2 (continued) ACCEPTANCE SAMPLING GUIDE FOR AGGREGATES				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
404	CM Cover Material	Abrasion #	Source or Stockpile	One per source.	
		Fractured Coarse Aggregate Particles Flakiness Index Bulk O.D. Specific Gravity Percent Carbonates Dry Unit Weight	Stockpile	One per source.	
		Gradation*	Final Stockpile	One per 250 metric tons (300 T).	
		Moisture Content*	Trucks at Scale	One per 175 metric tons (200 T).	
404 412	BL Blotter Material	Gradation*	Final Stockpile	One per stockpile.	

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

	TABLE 2 (continued)				
		E SAMPLING GU		GREGATES	
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
405	AG Aggregate for RM	Moisture Content*	Roadway	One sample every 150 m (500 ft).	
	(Road Mix)	Gradation*	Roadway	One per 900 metric tons (1000 T).	
406	MA Mineral Aggregate	Abrasion #	Source or Stockpile	One per source.	
	for AC	Sand Equivalent	Stockpile	One prior to start of AC production.	
		Fractured Coarse Aggregate Particles			
		Uncompacted Void Content			
		Sand Equivalent*	Stockpile or Cold Feed	One per each two days of AC production, minimum of two per project.	
		Fractured Coarse Aggregate Particles*			
		Uncompacted Void Content*	- Common		
		Gradation		[See Bituminous Mixture requirements for Asphaltic Concrete on Page 37.]	

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

	TABLE 2 (continued) ACCEPTANCE SAMPLING GUIDE FOR AGGREGATES				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
407	MA Mineral Aggregate for FC	Abrasion #	Source or Stockpile	One per source.	
		Carbonates			
		Specific Gravity			
		Sand Equivalent*	Stockpile or Cold Feed	One per each two days of ACFC production, minimum of two per project.	
		Flakiness Index*			
		Fractured Coarse Aggregate Particles*			
		Gradation*	Cold Feed or Hot Bins	One per 450 metric tons (500 T) of ACFC production, minimum of one per shift.	

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

Independent Assurance Sampling and Testing required.

TABLE 2 (continued)				
	ACCEPTANC	E SAMPLING GU		GREGATES
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
408	MA Mineral Aggregate	Abrasion #	Source or Stockpile	One per source.
	for RC (Recycled Asphaltic Concrete)	Gradation of Individual Mineral Aggregate Stockpiles*	Stockpile	One from each stockpile for each day of MA production, or if stockpiles are already made, one per each two days of RC production with a minimum of two per project.
		Gradation of Combined Mineral Aggregate*	Cold Feed or Hot Bins	One per 900 metric tons (1000 tons) of RC production, minimum of one per shift.
		Fractured Coarse Aggregate Particles* Sand Equivalent*	Stockpile (Samples composited to specified percent- ages)	One from each stockpile for each day of MA production.
			Stockpile (Samples composited to specified percent- ages) or Cold Feed	If stockpiles are already made, one per each two days of RC production with a minimum of two per project.
	Salvaged Pavement	Gradation of Individual Stockpiles*	Stockpile	One per each stockpile per each day of salvaged stockpile production.

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

TABLE 2 (continued)				
		E SAMPLING GL	JIDE FOR AG	GREGATES
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
409	MA Mineral Aggregate	Abrasion #	Source or Stockpile	One per source.
	for AC - Miscellaneous	Sand Equivalent	Stockpile	One per source.
	Structural	Gradation	Cold Feed or Hot Bins	At discretion of the Engineer.
		Uncompacted Void Content (Special Mix only)	Stockpile	One prior to start of AC production.
		Fractured Coarse Aggregate Particles (When not Special Mix)	Stockpile	One per source.
		Fractured Coarse Aggregate Particles* (Special Mix only)	Stockpile or Cold Feed	One per each two days of AC production, minimum of two per project.

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

TABLE 2 (continued) ACCEPTANCE SAMPLING GUIDE FOR AGGREGATES				
SPECIFI- CATION	MATERIAL CODE, NAME	TYPE OF TEST(S)	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
SECTION 411	MA Mineral	REQUIRED Abrasion #	Source or Stockpile	One per source.
	Aggregate for FC - Miscellaneous	Sand Equivalent,	Stockpile	One per source.
		Flakiness Index		
		Fractured Coarse Aggregate Particles		
		Gradation	Cold Feed or Hot Bins	At the discretion of the Engineer.
413	MA Mineral Aggregate	Abrasion #	Source or Stockpile	One per source.
	for RD (Asphalt- Rubber AC)	Specific Gravity	Stockpile	One per source.
		Sand Equivalent*	Stockpile or Cold Feed	One per each two days of AC production, minimum of two per project.
		Fractured Coarse Aggregate Particles*		
		Gradation*	Cold Feed or Hot Bins	One per 450 metric tons (500 T) of AC production, minimum of one per shift.

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

	TABLE 2 (continued) ACCEPTANCE SAMPLING GUIDE FOR AGGREGATES				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
414	MA Mineral Aggregate	Abrasion #	Source or Stockpile	One per source.	
	for RF (Asphalt- Rubber	Specific Gravity	Stockpile	One per source.	
	ACFC)	Percent Carbonates			
		Sand Equivalent*	Stockpile or Cold Feed	One per each two days of AC production, minimum of two per project.	
		Fractured Coarse Aggregate Particles*			
		Flakiness Index*		·	
		Gradation*	Cold Feed or Hot Bins	One per 450 metric tons (500 T) of ACFC production, minimum of one per shift.	

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

TABLE 2 (continued) ACCEPTANCE SAMPLING GUIDE FOR AGGREGATES				
SPECIFI-	ACCEPTANC MATERIAL	E SAMPLING GU	I	GREGATES
CATION SECTION	CODE, NAME AND TYPES	TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
416	MA Mineral Aggregate	Abrasion #	Source or Stockpile	One per source.
	for AC-End Product	Sand Equivalent	Stockpile	One prior to start of AC production.
		Fractured Coarse Aggregate Particles		
		Sand Equivalent*	Stockpile or Cold Feed	One per each two days of AC production, minimum of two per project.
		Fractured Coarse Aggregate Particles*		
		Gradation		[See Bituminous Mixture requirements for Asphaltic Concrete-End Product on Page 40.]
		Uncompacted Void Content*	Stockpile	One prior to start of AC production.
		(Special Mix only)	Stockpile or Cold Feed	One per each two days of AC production, minimum of two per project.

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

TABLE 2 (continued)					
	ACCEPTANCE SAMPLING GUIDE FOR AGGREGATES				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
417	MA Mineral Aggregate	Abrasion #	Source or Stockpile	One per source.	
	for AC-End Product	Sand Equivalent	Stockpile	One prior to start of AC production.	
	(SHRP)	Fractured Coarse Aggregate Particles			
		Uncompacted Void Content			
		Sand Equivalent*	Stockpile or Cold Feed	One per each two days of AC production, minimum of two per project.	
		Fractured Coarse Aggregate Particles*			
		Uncompacted Void Content*			
		Gradation		[See Bituminous Mixture requirements for Asphaltic Concrete-End Product (SHRP) on Page 41.]	

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

	TABLE 2 (continued)				
		E SAMPLING GL	JIDE FOR AG	GREGATES	
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
Refer to Special Provisions	MA Mineral Aggregate	Abrasion #	Source or Stockpile	One per source.	
	for AC - Miscellaneous	Sand Equivalent	Stockpile	One per source.	
	Paving	Gradation	Cold Feed or Hot Bins	At discretion of the Engineer.	
501	BM Bedding Material for Pipe	Gradation* PI* pH* Resistivity*	Source or Stockpile	One per 225 m³ (300 CY) per source.	
		Proctor Density* Optimum Moisture*	Source or Stockpile	One per source.	
		Compaction*	In-Place	One every 40 m³ (50 CY).	
501	Filter Material for Perforated Pipe	Gradation*	Source or Stockpile	One per 225 m³ (300 CY) per source.	

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

	ACCEPTANC	TABLE 2 (co E SAMPLING GU		GREGATES
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
501	Plating Material for Pipe Ends	Proctor Density Optimum Moisture	Source or Stockpile	One per source.
		Compaction	In-Place	One every 40 m³ (50 CY).
808	BM Bedding Material for PVC Irrigation Pipe	Gradation	Source or Stockpile	One per source.
913	RK Rock for Wire Tied	Specific Gravity	Source	One per source.
	Gabions, Riprap, (Slope Mattress)	Gradation (visual)	Project	One per 1/2 shift.
	for Grouted Riprap, Dumped	Specific Gravity	Source	One per source.
	Riprap, Rail Bank Protection	Gradation and other requirements see Special Provisions.	Project	One per 1/2 shift.

TABLE 2 (continued) ACCEPTANCE SAMPLING GUIDE FOR AGGREGATES				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
1006	CA Coarse Aggregate for PCC Classes P, S, B, U	Gradation*	Batch Plant Conveyer Belt or Stockpile	One every other day of PCC production.
		Soundness [when over 1350 m (4500 ft.) elevation] Abrasion #	Stockpile	One per source per year.
		Deleterious Substances [Clay Lumps and Friable Particles, Coal and Lignite, Shale and other Lightweight Particles, Material Passing 75 µm (No. 200) Sieve]	Stockpile	One per source and then at the discretion of the Engineer.
	for Class P	Fractured Coarse Aggregate Particles	Stockpile	One per source.

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

	TABLE 2 (continued) ACCEPTANCE SAMPLING GUIDE FOR AGGREGATES					
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY		
1006	FA Fine Aggregate for PCC Classes P, S, B, U	Gradation* Sand Equivalent*	Batch Plant Conveyer Belt or Stockpile	One every other day of PCC production.		
		Soundness [when over 1350 m (4500 ft) elevation] Organic Impurities Mortar Strength	Stockpile	One per source per year.		
		Deleterious Substances [Clay Lumps and Friable Particles, Coal and Lignite, Shale and other Lightweight Particles]	Stockpile	One per source and then at the discretion of the Engineer.		

^{*} Independent Assurance Sampling and Testing required.

	TABLE 2 (continued) ACCEPTANCE SAMPLING GUIDE FOR AGGREGATES				
SPECIFI- CATION SECTION	ACCEPTANC MATERIAL CODE, NAME AND TYPES	E SAMPLING GU TYPE OF TEST(S) REQUIRED	SAMPLING POINT	***************************************	
Refer to Special Provisions	AA Aggregate for Arrestor Bed	Abrasion # Specific Gravity	Screen Belt or Stockpile	One per source.	
		Gradation* Fractured Coarse Aggregate Particles* Flakiness Index*	Screen Belt or Stockpile	One per shift.	
Refer to Special Provisions	AG Aggregate for Soil- Cement Bank Protection or Cement Stabilized Alluvium	Gradation*	Source or Stockpile	One per 1800 metric tons (2000 tons), minimum of one per day.	

[#] Provided Materials Group concurs, historical abrasion values may be used.
* Independent Assurance Sampling and Testing required.

AC	TABLE 3 ACCEPTANCE SAMPLING GUIDE FOR BITUMINOUS MATERIAL				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
1005	RA Recycling Agent RA-1 RA-5 RA-25 RA-75	Per Specifications	** Circulation Line Recom- mended	Certificate of Compliance required and duplicate sample per 1/2 shift.	
301 302 304 404 405	Liquid Asphalt Type MC for RM, Prime, Curing Seals	Per Specifications	** Distributor Recom- mended	Certificate of Compliance required and duplicate sample per delivery unit.	
1005	Emulsified Asphalt, Special Type Diluted SS-1 or CSS-1	Residue	** Distributor Recom- mended	For pre-approved undiluted emulsions, Certificate of Compliance required and duplicate sample per delivery unit. For undiluted emulsions not pre-approved, Certificate of Analysis	
404	for Tack, Fog Coat			required and triplicate sample per delivery unit.	

^{**} Point of sampling specified by Engineer.A Materials Policy and Procedure Directive.

AC	TABLE 3 (continued) ACCEPTANCE SAMPLING GUIDE FOR BITUMINOUS MATERIAL					
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY		
1005	Emulsified Asphalt RS-1 CRS-1 RS-2	Per Specifications	Supplier (For pre- approval of material.)	See PPD*		
	CRS-2 SS-1 CSS-1	Residue	** Distibutor Recom- mended	See PPD ^A For pre-approved emulsions, Certificate of Compliance required and duplicate sample per delivery unit.		
404	for Chip Seal, Tack, Fog Coat			For emulsions not pre-approved, Certificate of Analysis required and triplicate sample per delivery unit.		
1005	Asphalt Cement (PG XXXX)	Per Specifications				
404	for Tack			Certificate of Compliance required.		
406 407 408 409 411 416 417	for AC, FC, RC		circulation Line Recom- mended	Certificate of Compliance required and duplicate sample per 1/2 shift.		

^{**} Point of sampling specified by Engineer.▲ Materials Policy and Procedure Directive.

AC	TABLE 3 (continued) ACCEPTANCE SAMPLING GUIDE FOR BITUMINOUS MATERIAL					
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY		
1005	ERA Emulsified Recycling Agent ERA-1	Per Specifications	Supplier (For pre- approval of material)	See PPD [▲] .		
	ERA-5 ERA-25 ERA-75	Residue	Distributor Recom- mended	See PPD. For pre-approved ERA, Certificate of Compliance required and duplicate sample per delivery unit. For ERA not pre-approved, Certificate of Analysis required and triplicate sample per delivery unit.		
	ERA (Diluted)	Residue	Distributor Recom- mended	See PPD. For pre-approved undiluted ERA, Certificate of Compliance required and duplicate sample per delivery unit. For undiluted ERA not pre-approved, Certificate of Analysis		
404	for Fog Coat			required and triplicate sample per delivery unit.		

^{**} Point of sampling specified by Engineer.

[▲] Materials Policy and Procedure Directive.

AC	TABLE 3 (continued) ACCEPTANCE SAMPLING GUIDE FOR BITUMINOUS MATERIAL				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
1005 1009 410	Asphalt Cement (PG XXXX) for Asphalt - Rubber (Sprayed Applications)	Per Specifications	Circulation Line - Delivery Unit	Certificate of Compliance required and duplicate sample for each shipment - not less than one set of samples for each 35 metric tons (40 T).	
1005 1009 413 414	Asphalt Cement (PG XXXX) for Asphalt - Rubber for RD or RF	Per Specifications	** Delivery Unit Recom- mended	Certificate of Compliance required and duplicate sample per 1/2 shift.	
1009	Rubber for Asphalt - Rubber	Gradation	Project	Certificate of Compliance required and one bag per lot per type.	
1009 410	CRA * Asphalt - Rubber Type 1, 2, or 3 (Sprayed Applications)	See Special Provisions.	** Distributor Recom- mended	Certificate of Compliance required.	

^{**} Point of sampling specified by Engineer.CRA = Crumb Rubber Asphalt

AC	TABLE 3 (continued) ACCEPTANCE SAMPLING GUIDE FOR BITUMINOUS MATERIAL					
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY		
1009 413 414	CRA * Asphalt - Rubber		** Circulation Line	Certificate of Compliance required.		
	Type 1, 2, or 3 for RD or RF	Penetration Softening Point Resilience Rotational Viscosity Rotational Viscosity (at	Recom- mended	Duplicate sample per 1/2 shift. One sample per batch.		
Refer to Special Provisions	Emulsified Binder Agent for Cold Recycled Asphaltic Concrete HFE-300P	plant) See Special Provisions.	Supplier	Material pre-approved by Central Laboratory and Certificate of Compliance required.		

^{**} Point of sampling specified by Engineer.CRA = Crumb Rubber Asphalt

40055	TABLE 4 ACCEPTANCE SAMPLING GUIDE FOR PORTLAND CEMENT CONCRETE					
SPECIFI-	MATERIAL	TYPE OF	T			
CATION SECTION	CODE, NAME AND TYPES	TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY		
401 1006	Portland Cement Concrete Pavement (PCC-Class P)	Compressive Strength* Slump* Entrained Air* Temperature	Immediately before going into paver or forms	Five samples per lot.		
		Thickness	Roadway	10 cores per lot.		
601 1006	Portland Cement Structural Concrete, Class S and B	Compressive Strength* Slump* Temperature	At Discharge ##	One set per consecutive 75 m³ (100 CY) or fraction thereof, per day. For less than 15 m³ (20 CY), at the Discretion of the Engineer.		
		Entrained Air*	At Discharge	Sample for air content every 40 m³ (50 CY) when elevation is above 900 m (3000 ft).		
601 1006	Portland Cement Structural Concrete for Minor Precast Structures	Rebound Hammer	At Fabrication Yard	One set of readings per precast unit.		

^{##} When concrete is pumped, samples should be taken at both the truck and hose discharge to determine that the specifications are met in the structure and to correlate slump and air-entraining results. If correlation is satisfactory, sampling may continue from the most convenient location with occasional retesting for correlation.

^{*} Independent Assurance Sampling and Testing required.

TABLE 4 (continued)						
ACCEF SPECIFI-	ACCEPTANCE SAMPLING GUIDE FOR PORTLAND CEMENT CONCRETE SPECIFI- MATERIAL TYPE OF CAMBUNG CONCRETE					
CATION SECTION	CODE NAME AND TYPES	TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY		
601 1006	Prestressed and Post- Tensioned Concrete	Compressive Strength Slump Entrained Air Temperature	At Discharge ##	One set per member or for each days production.		
912	Shotcrete	Compressive Strength Slump	Test Panels At Discharge	Sample 3 cores as per Engineer. One per 75m³ (100 CY).		
922 1006	Utility Concrete, Class U	None				

When concrete is pumped, samples should be taken at both the truck and hose discharge to determine that the specifications are met in the structure and to correlate slump and air-entraining results. If correlation is satisfactory, sampling may continue from the most convenient location with occasional retesting for correlation.

TABLE 5						
AC	ACCEPTANCE SAMPLING GUIDE FOR MATERIALS USED WITH PORTLAND CEMENT CONCRETE					
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY		
602 1003	Prestressing Steel (Spiral, Bars, Strand, Wire)	Tensile Strength, Diameter	Project or Fabrication Plant	Certificate of Compliance required and one 2 m (6 ft) piece from each bar size, heat, reel, or coil.		
602 1003	Post- Tensioning Steel	Tensile Strength, Diameter	Project	Certificate of Compliance required and one 2 m (6 ft) piece from each bar size, heat, reel, or coil.		
605 1003	Reinforcement Bars (Epoxy Coated or Uncoated)	Tensile Strength, Bending Strength, Elongation, Weight/Meter				
	Phoenix and Tucson Sources	(Weight/Foot), Coating Thickness [if applicable]	Fabrication Plant or Supplier's Yard	Certificate of Compliance required and samples as per PPD ⁴ .		
			Project	One 2 m (6 ft) bar per shipment. See PPD ⁴ .		
	Other sources		Project	Certificate of Compliance required and samples as per PPD ⁴ .		
1003	Welded Wire Fabric	Tensile Strength, Diameter, Spelter	Supplier's Yard or Project	Certificate of Compliance required and one 600 mm x 600 mm (2 ft x 2 ft) sample per 25 rolls.		

[▲] Materials Policy and Procedure Directive.

AC	TABLE 5 (continued) ACCEPTANCE SAMPLING GUIDE FOR MATERIALS USED WITH PORTLAND CEMENT CONCRETE				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
1006	Admixtures			Materials must be pre-approved and on the ADOT Approved Products List. See PPD*.	
1006	Curing Compound	Water Loss % Solids	Supplier's Yard or Project	For material from pre-approved lot, Certificate of Compliance only. For material not pre-approved, Certificate of Compliance and 2 liter (1/2 gal.) sample per lot. See PPD ⁴ .	
1006	Fly Ash and Natural Pozzolan Domestic Sources Foreign Sources	Chemical and Physical	Distributor's Storage Facility	Material supplied from an Approved Material Source. See PPD*. Material supplied from an Approved Material Source and one 4 liter (1 gal.)	
▲ Materia	als Policy and Pro	ocedure Directive	,	sample per week. See PPD*.	

	TABLE 5 (continued)					
A			FOR MATER	IALS USED WITH FE		
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY		
1006	Water	Soluble Salts pH	Source ^	One sample [500 mL (1 pint) in glass container] per source.		
1006 406 407 408 409 413	Hydraulic Cement (All Types)	Chemical and Physical		When used for mineral admixture for asphaltic concrete, only a Certificate of Analysis is required.		
414 416 417	Domestic Sources			Material supplied from an Approved Material Source. See PPD ⁴ .		
	Foreign Sources		Distributor's Storage Facility	Material supplied from an Approved Material Source and one 4 liter (1 gal.) sample per week. See PPD*.		
1011	Joint Materials	Durometer Viscosity	Project	For material from pre-approved lot, Certificate of Compliance only.		
		Compression Thickness		For material not pre-approved, Certificate of Compliance and one sample, for liquid material [20 liters (5 gal.)].		

<sup>Materials Policy and Procedure Directive.
No sample is necessary if water is potable and comes from a proven source.</sup>

TABLE 5 (continued) ACCEPTANCE SAMPLING GUIDE FOR MATERIALS USED WITH						
	PORTLAND CEMENT CONCRETE					
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY		
1013 604	Preformed Fabric Bearing Pads	Thickness Compression Load	Project	Certificate of Analysis required and two sample pads from every 100, or fraction thereof, with a minimum of one sample pad from each lot for each type of pad. (Tested by ADOT.)		
1013 604	Plain and Fabric Reinforced Elastomeric Bearing Pads	Per Specification Subsection 1013-2	Project	Certificate of Analysis required and two sample pads from every 100, or fraction thereof, with a minimum of one sample pad from each lot for each type of pad. (Tested by Engineer approved testing laboratory.)		
1013 604	Steel Reinforced Elastomeric Bearing Pads	Per ASTM D 4014 and Specification Subsection 1013-2	Project	Certificate of Analysis required and two sample pads from every 100, or fraction thereof, with a minimum of one sample pad from each lot for each type of pad. (Tested by Engineer approved testing laboratory.)		

TABLE 6 ACCEPTANCE SAMPLING GUIDE FOR STABILIZED SOILS AND BASES					
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
301	LS Lime Treated Subgrade	Proctor Density* Optimum Moisture*	Roadway	One per soil type.	
		Compaction*	Roadway	One per lift per 300 m (1000 ft).	
302	CS Cement Treated Subgrade	Proctor Density* Optimum Moisture*	Roadway	One per soil type.	
		Compaction*	Roadway	One per lift per 300 m (1000 ft).	
304	CB Cement Treated Base	Proctor Density* Optimum Moisture*	Roadway	At start of production then one per week.	
		Compaction*	Roadway or Point of Placement	One per lift per 300 m (1000 ft).	
		Compressive Strength*	Roadway or Point of Placement	Five random sets of three per shift.	

^{*} Independent Assurance Sampling and Testing required.

ACCE	PTANCE SAMPL	TABLE 6 (co		O SOILS AND BASES
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
305	LC Lean Concrete Base	Compressive Strength* Slump* Entrained Air*	At Discharge	Four random samples per 3000 m² (4000 SY), minimum four samples per shift.
		Thickness	Roadway	See Specifications.
Refer to Special Provisions	BB Bituminous Treated Base	See Special Provisions	Roadway	At the discretion of the Engineer.
Refer to Special Provisions	SA Cement Stabilized Alluvium	Compressive Strength*	Roadway or Point of Placement	One set of three per 1150 m³ (1500 CY), minimum one set of three per 1/2 shift.
Refer to Special Provisions	Soil-Cement Bank Protection	Compressive Strength*	Roadway or Point of Placement	One set of three per 1150 m³ (1500 CY), minimum one set of three per 1/2 shift.

^{*} Independent Assurance Sampling and Testing required.

	TABLE 7 ACCEPTANCE SAMPLING GUIDE FOR BITUMINOUS MIXTURES					
SPECIFI- CATION	MATERIAL CODE, NAME	TYPE OF TEST(S)	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY		
SECTION 405	AND TYPES RM Road Mix	REQUIRED See Special Provisions.				
406	AC Asphaltic Concrete	% Asphalt* Moisture Content* Gradation* Marshall* (Density, Stability, and Flow)	Roadway	4 per lot.		
		Compaction [Courses > 40 mm (1½ in.)]	Roadway	10 cores per lot (10 locations/1 core per location).		
407	FC Asphaltic Concrete Friction Course	% Asphalt* Moisture Content*	Trucks at Mixing Plant	1 per 1/2 shift.		

^{*} Independent Assurance Sampling and Testing required.

AC	CCEPTANCE SAI	TABLE 7 (co	•	NOUS MIXTURES
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
408	RC Recycled Asphaltic Concrete	% Asphalt* Moisture Content* Gradation*	Roadway	3 required on first full shift of AC production, thereafter minimum of two per day.
		Marshall * (Density, Stability, and Flow)	Roadway	3 per day.
		Compaction [Courses > 40 mm (1½ in.)]	Roadway	10 cores per lot (10 locations/1 core per location).
409	MS Asphaltic Concrete - Miscellaneous Structural	% Asphalt Moisture Content Rice Marshall (Density, Stability, and Flow)	Roadway	At the discretion of the Engineer.

^{*} Independent Assurance Sampling and Testing required.

TABLE 7 (continued)					
AC	CCEPTANCE SAI	•	•	NOUS MIXTURES	
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
411	FC Asphaltic Concrete Friction Course - Miscellaneous	% Asphalt Moisture Content	Trucks at Mixing Plant	At the discretion of the Engineer.	
413	RD Asphalt - Rubber Asphaltic Concrete	% Asphalt- Rubber* Moisture Content*	Trucks at Mixing Plant, Windrow, or behind laydown machine	4 per shift.	
414	RF Asphalt - Rubber Asphaltic Conctete Friction Course	% Asphalt- Rubber* Moisture Content*	Trucks at Mixing Plant	4 per shift.	

^{*} Independent Assurance Sampling and Testing required.

AC	TABLE 7 (continued) ACCEPTANCE SAMPLING GUIDE FOR BITUMINOUS MIXTURES				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT		
416	AC Asphaltic Concrete - End Product	% Asphalt* Moisture Content* Gradation* Marshall* (Density, Stability, and Flow) Rice*	Roadway	4 per lot. 20 cores per lot (10	
		otherwise specified, Compaction [Courses > 40 mm (1½ in.)]	·	locations/2 cores per location.	

^{*} Independent Assurance Sampling and Testing required.

AC	TABLE 7 (continued) ACCEPTANCE SAMPLING GUIDE FOR BITUMINOUS MIXTURES				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
417	AC Asphaltic Concrete - End Product (SHRP)	% Asphalt* Moisture Content* Gradation* Gyratory Density*	Roadway	4 per lot.	
		Compaction [Courses > 40 mm (1½ in.)]	Roadway	20 cores per lot (10 locations/2 cores per location.	

Independent Assurance Sampling and Testing required.

TABLE 8 ACCEPTANCE SAMPLING GUIDE FOR MISCELLANEOUS MATERIALS				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
301 406 407 408 409	Lime	Chemical and Physical	Project or Commercial Source	Certificate of Compliance required and one sample [4 liters (1 gal.) in a metal can] per project.
413 414 416 417				When used for mineral admixture for asphaltic concrete, only a Certificate of Analysis is required.
501	CMP Corrugated Metal Pipe (Coated or Non-coated)	Yearly check by Central Lab	Supplier's Yard	Certificate of Compliance required.
501 1006	Non- Reinforced, Cast-in-Place Concrete Pipe	Compressive Strength Slump Entrained Air Wall Thickness	At Discharge ## Site	See Specifications.

When concrete is pumped, samples should be taken at both the truck and hose discharge to determine that the specifications are met in the structure and to correlate slump and air-entrainment results. If correlation is satisfactory, sampling may continue from the most convenient location with occasional retesting for correlation.

	TABLE 8 (continued)				
			R MISCELLAI	NEOUS MATERIALS	
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
501 1010	Reinforced or Non- Reinforced Concrete Pipe	Compression Absorption Wall Thickness	Supplier's Yard	Certificate of Compliance required and one sample for each 100 sections per size per type.	
Refer to Special Provisions	Vitrified Clay Pipe	Compression	Project	One sample for each 100 sections per size per type.	
505	Brick	Compression	Project	5 bricks per project.	
Refer to Special Provisions	Cinder Block or Slump Block	Compression Absorption	Project	8 cinder blocks/ 8 slump blocks per project.	
604 731 1004 1012	High Strength Bolts, Nuts, Washers, or Anchor Bolts	Rockwell Hardness Wedge Tensile Strength	Project	Certificate of Analysis required and three samples per lot, or 0.1% of lots in excess of 3000, for each bolt diameter, including nuts and washers.	
608 1007	Sign Reflective Sheeting	Color Specific Intensity	Project	Certificate of Compliance and one 300 mm x 300 mm (1ft x 1ft) aluminum back panel per type.	
	Silk Screening	Color Specific Intensity	Project	Certificate of Compliance and one sample per type. 75 mm (3 in.) diameter circle required on panel background if color processing is used.	

TABLE 8 (continued)				
			R MISCELLAI	NEOUS MATERIALS
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
701 704 708	Glass Beads	Roundness Gradation	Supplier's Yard (Recom- mended)	Certificate of Compliance required and one sample (full sack) per lot.
		Index of Reflection	or Project	
	·	Moisture Resistance		
701 705	Pavement Marking Tape	Thickness Reflectivity	Project	Certificate of Compliance required and one sample per type.
704	Thermoplastic Markings	Thickness Reflectivity	Roadway	Certificate of compliance required and one sample per type.
706	Raised Non- Reflective Pavement Markers	Compressive Strength Dimensions	Project	Certificate of Compliance required and one sample per lot per type.
706	Raised Reflective Pavement Markers	Specific Intensity Abrasion Resistance	Project	Certificate of Compliance required and 3 samples per lot per type.
		Compressive Strength Dimensions		
708	Permanent Pavement Marking (Painted)	See Special Provisions.	Supplier or Project	Certificate of Analysis required and one sample [1 liter (1 qt.) in a metal can] per batch per type.

. [TABLE 8 (continued)				
ACCE	PTANCE SAMP			NEOUS MATERIALS	
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
732	PVC Polyvinyl Chloride Pipe for Electrical Conduit	Resistance to Crushing	Project	One sample per 1500 m (5000 ft).	
808	PVC Polyvinyl Chloride Pipe for Water	Wall Thickness Burst Pressure Diameter	Project	One sample per 1500 m (5000 ft).	
902	Chain Link Fabric			Certificate of Compliance required.	
902	Fence Post and Rails			Certificate of Compliance required.	
902 903	Misc. Fence Hardware			Certificate of Compliance required.	
902 903	Post Clips, Hog Rings, Tie Wire, or Tension Wire			Certificate of Compliance required.	

ACCE	TABLE 8 (continued) ACCEPTANCE SAMPLING GUIDE FOR MISCELLANEOUS MATERIALS					
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY		
903	Barbless Wire or Barbed Wire	Tensile Strength Spelter Diameter Barb Spacing [if applicable]	Supplier's Yard or Project	Certificate of Compliance^^ required and one 3 m (10 ft) sample per 25 rolls.		
903	Fence Stays			Certificate of Compliance required.		
903	T-Post	Weight/Meter (Weight/Foot) Length	Supplier's Yard or Project	Certificate of Compliance^^ required and minimum of five per lot.		
903	Woven Wire Fabric	Spelter Diameter Tensile Strength	Supplier's Yard or Project	Certificate of Compliance^^ required and one 600 mm x 600 mm (2 ft x 2 ft) sample per 25 rolls.		
904 913	Wire Rope			Certificate of Compliance required.		

^{^^} Certifying only that manufacturing processes occurred in the United States. (This certification required for Federal-Aid projects only. See Special Provisions for exception based on quantity being used.)

TABLE 8 (continued) ACCEPTANCE SAMPLING GUIDE FOR MISCELLANEOUS MATERIALS					
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY	
1002	Paint	Weight/Liter (Weight/Gal.) Viscosity Dry Time Pigment IR Scan Chemical Analysis	Supplier or Project	Certificate of Analysis required and one sample [1 liter (1 qt.) in a metal can] per batch per type.	
1008	Prismatic Reflectors	Air Tightness	Project	Certificate of Compliance required and one sample (5-10) per type per project.	
1012	Guardrail Fasteners	Spelter Rockwell Hardness Tensile Strength	Project	Certificate of Compliance required and three samples per type.	
1012	Guardrail Posts and Blocks	None	Project	Certificate of Compliance required. For timber guardrail posts and blocks, see PPD ⁴ .	

Materials Policy and Procedure Directive.

TABLE 8 (continued) ACCEPTANCE SAMPLING GUIDE FOR MISCELLANEOUS MATERIALS				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
1014	Geo- synthetics		Supplier and Project	If material has been pre-approved, Certificate of Compliance required and one sample for every 10 rolls per lot. (Minimum of one sample per lot.) Sample should be taken 1.5 m (5 ft) from the end of the roll, and shall be 1 m (3 ft) long by the full width of the roll, or a minimum of 3 m² (30 square feet). If material has not been pre-approved, Certificate of Analysis required and one sample for every 10 rolls of per lot. (Minimum of one sample per lot.) Sample should be taken 1.5 m (5 ft) from the end of the roll, and shall be 1 m (3 ft) long by the full width of the roll, or a minimum of 3 m² (30 square feet).
NOTE: Information on Geosynthetics continued on next page.				

TABLE 8 (continued) ACCEPTANCE SAMPLING GUIDE FOR MISCELLANEOUS MATERIALS				
SPECIFI- CATION SECTION	MATERIAL CODE, NAME AND TYPES	TYPE OF TEST(S) REQUIRED	SAMPLING POINT	MINIMUM SAMPLING FREQUENCY
NC	 DTE: Information 	nformation on Geosynthetics continued from previous page.		
1014 412	Pavement Fabric	Per Specification Subsection 1014-2		
1014 306	Geogrid	Per Specification Subsection 1014-3		
1014 208	Separation Geotextile Fabric	Per Specification Subsection 1014-4		
1014 913	Bank Protection Fabric	Per Specification Subsection 1014-5		
1014 203	Geo- composite Wall Drain System	Per Specification Subsection 1014-6		
1014 307	Geo- composite Edge Drain System	Per Specification Subsection 1014-7		One sample [1.5 m (5 ft) long] per lot.
208	Geo- membrane	See Special Provisions.		

TABLE 9 INDEX OF MATERIALS			
MATERIAL	ABBREVIATION	PAGE	
Admixtures for Portland Cement Concrete Aggregate for Arrestor Bed Aggregate for Cement Stabilized Alluvium Aggregate for Cement Treated Base Aggregate for Lean Concrete Base Aggregate for Road Mix Aggregate for Soil-Cement Bank Protection Aggregate Base Aggregate Subbase Asphalt Cement Asphalt Cement for Asphalt-Rubber Asphaltic Concrete Asphaltic Concrete - End Product Asphaltic Concrete - End Product (SHRP) Asphaltic Concrete Friction Course Asphaltic Concrete Friction Course - Misc.	- AA AG AG AG AB AS - AC AC FC	32 23 23 9 9 11 23 5-6 7-8 25 27 37 40 41 37 39	
Asphaltic Concrete - Miscellaneous Structural Asphalt-Rubber Asphalt-Rubber Asphaltic Concrete Asphalt-Rubber A.C. Friction Course	MS CRA RD RF	38 27-28 39 39	
Bank Protection Fabric Barbed Wire Barbless Wire Bearing Pads Bedding Material for Pipe Bedding Material for PVC Irrigation Pipe Bituminous Treated Base Blotter Material Borrow Brick	- - - BM BM BB BB BL BO	49 46 46 34 19 20 36 10 1	
Cement Stabilized Alluvium Cement Treated Base Cement Treated Subgrade Chain Link Fabric	SA CB CS -	36 35 35 45	

TABLE 9 (continued) INDEX OF MATERIALS			
MATERIAL	ABBREVIATION	PAGE	
Cinder Block Coarse Aggregate for PCC Cover Material Curing Compound	- CA CM -	43 21 10 32	
Decomposed Granite	-	3	
Embankment Emulsified Asphalt Emulsified Asphalt - Special Type Emulsified Binder Agent for Cold Recycled Asphaltic Concrete Emulsified Recycling Agent	EM - - - ERA	1 25 24 28 26	
Fence Hardware, Misc. Fence Post and Rails Fence Stays Filter Material for Perforated Pipe Fine Aggregate for PCC Fly Ash and Natural Pozzolan	- - - - FA -	45 45 46 19 22 32	
Geocomposite Edge Drain System Geocomposite Wall Drain System Geogrid Geomembrane Geosynthetics Glass Beads Granite Mulch Guardrail Fasteners Guardrail Posts and Blocks	- - - - - GM -	49 49 49 49 48-49 44 3 47	
High Strength Bolts, Nuts, Washers, and Anchor Bolts Hydraulic Cement	-	43 33	
Joint Materials	-	33	

TABLE 9 (continued) INDEX OF MATERIALS			
MATERIAL	ABBREVIATION	PAGE	
Lean Concrete Base Lime Lime Treated Subgrade Liquid Asphalt	LC - LS -	36 42 35 24	
Mineral Aggregate for Asphaltic Concrete Mineral Aggregate for AC-End Product Mineral Aggregate for AC-End Product (SHRP) Mineral Aggregate for AC Friction Course Mineral Aggregate for ACFC-Miscellaneous Mineral Aggregate for AC-Misc. Paving Mineral Aggregate for AC-Misc. Structural Mineral Aggregate for Asphalt-Rubber AC Mineral Aggregate for Asphalt-Rubber ACFC Mineral Aggregate for Recycled AC	MA MA MA MA MA MA MA MA	11 17 18 12 15 19 14 15 16	
Natural Ground	NG	1	
Paint Pavement Fabric Pavement Marking Tape Permanent Pavement Marking (Painted) Pipe Backfill Pipe, Corrugated Metal (Coated or Non-coated) Pipe, Non-Reinforced Cast in Place Concrete Pipe, Polyvinyl Chloride for Electrical Conduit Pipe, Polyvinyl Chloride for Water Pipe, Reinforced or Non-Reinforced Concrete Pipe, Vitrified Clay Plating Material for Pipe Ends Portland Cement Concrete Pavement Portland Cement Structural Concrete Post Clips and Hog Rings Post-Tensioning Steel Prestressed and Post-Tensioned Concrete Prestressing Steel Prismatic Reflectors	- - - - PB CMP - - PVC PVC - - - - - - -	47 49 44 4 4 42 42 45 45 43 43 20 29 29 45 31 30 31 47	

TABLE 9 (continued) INDEX OF MATERIALS			
MATERIAL	ABBREVIATION	PAGE	
Raised Non-Reflective Pavement Markers Raised Reflective Pavement Markers Recycled Asphaltic Concrete Recycling Agent Reinforcement Bars Road Mix Rock Rubber for Asphalt-Rubber	- RC RA - RM RK -	44 44 38 24 31 37 20 27	
Shotcrete Sign Reflective Sheeting Silk Screening Slump Block Soil for Shoulder Build-up Soil-Cement Bank Protection Separation Geotextile Fabric Structure Backfill Subgrade	- - - - - - SB SG	30 43 43 43 2 36 49 4	
T-Post Thermoplastic Markings Tie Wire and Tension Wire Top Soil Trench Backfill Utility Concrete, Class U	- - - TS TB	46 44 45 3 2	
Water Welded Wire Fabric Wire Rope Woven Wire Fabric	- - -	33 31 46 46	